

Global Residue Hydrogenation Catalysts Market Growth 2026-2032

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Abstracts

The global Residue Hydrogenation Catalysts market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Residue hydrogenation catalysts are specialized materials used in the petroleum refining process to upgrade heavy oil fractions such as vacuum or atmospheric residues. These catalysts facilitate the hydrogenation of hydrocarbons, reducing impurities like sulfur, nitrogen, and metals while improving the hydrogen-to-carbon ratio of the feedstock. Typically composed of transition metals like molybdenum, tungsten, nickel, or cobalt, supported on materials like alumina, these catalysts enable the production of lighter, more valuable hydrocarbon products, such as diesel or naphtha, while also enhancing the stability and quality of the residual feed. They play a critical role in residue hydroprocessing by improving both fuel quality and refinery efficiency.

United States market for Residue Hydrogenation Catalysts is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Residue Hydrogenation Catalysts is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Residue Hydrogenation Catalysts is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Residue Hydrogenation Catalysts players cover ART Hydroprocessing, Axens, Topsoe, BASF, Shell, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Residue Hydrogenation Catalysts Industry Forecast” looks at past sales and reviews total world Residue Hydrogenation Catalysts sales in 2025, providing a comprehensive analysis by region and market sector of projected Residue Hydrogenation Catalysts sales for 2026 through 2032. With Residue Hydrogenation Catalysts sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Residue Hydrogenation Catalysts industry.

This Insight Report provides a comprehensive analysis of the global Residue Hydrogenation Catalysts landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Residue Hydrogenation Catalysts portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Residue Hydrogenation Catalysts market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Residue Hydrogenation Catalysts and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Residue Hydrogenation Catalysts.

This report presents a comprehensive overview, market shares, and growth opportunities of Residue Hydrogenation Catalysts market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Hydrodesulfurization (HDS)

Hydrodemetallization (HDM)

Others

Segmentation by Application:

Vacuum Residue

Atmospheric Residue

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

ART Hydroprocessing

Axens

Topsoe

BASF

Shell

Albemarle

Honeywell UOP

Johnson Matthey

Nippon Ketjen

Sinopec

CNPC

Shandong Gongquan Chemical

Key Questions Addressed in this Report

What is the 10-year outlook for the global Residue Hydrogenation Catalysts market?

What factors are driving Residue Hydrogenation Catalysts market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Residue Hydrogenation Catalysts market opportunities vary by end market size?

How does Residue Hydrogenation Catalysts break out by Type, by Application?

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